

Substitut for Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/617,201
Filing Date	July 9, 2003
First Named Inventor:	Johnson et al.
Art Unit	2655 2627
Examiner Name	Not Yet Assigned
Attorney Docket Number	42P13967D

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
PWH	1.	US-	3,896,420	07/22/1975	Szabo	
PWH	2.	US-	4,101,976	07/18/1978	Castro et al.	
PWH	3.	US-	4,459,682	07/10/1984	Mossberg	
PWH	4.	US-	4,670,854	06/02/1987	Mossberg et al.	
PWH	5.	US-	5,204,770	04/20/1993	Kachru et al.	
PWH	6.	US-	5,276,637	01/04/1994	Mossberg	
PWH	7.	US-	5,369,665	11/29/1994	Bai et al.	
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FOREIGN PATENT DOCUMENTS

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	/Paul Huber/	Date Considered	11/21/2006
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commission for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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				Art Unit	2655 2627
				Examiner Name	Not Yet Assigned
Sheet 2	of 2	Attorney Docket Number 42P13967D			
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
PWH	8.	BABBITT, W.R., et al., "Quasi-Two-Dimensional Time-Domain Color Memories: Process Limitations and Potentials," J. Opt. Soc. Am. B 11: 1948-1953 (1994)			
PWH	9.	EQUALL, R.W., et al., "Ultraslow Optical Dephasing in Eu ³⁺ :Y ₂ SiO ₅ ," Phys. Rev. Lett. 72:2179-2182 (1994)			
PWH	10.	HUANG, J., et al., "Excess Dephasing in Photon-Echo Experiments Arising from Excitation-Induced Electronic Level Shifts," Phys. Rev. Lett. 63:78-81 (1989)			
PWH	11.	LIN, H., et al., "Demonstration of 8-Gbit/in. ² Areal Storage Density Based on Swept-Carrier Frequency-Selective Optical Memory," Optics Letters 20:1658-1660 (1995)			
PWH	12.	MACFARLANE, R.M., "Photon-Echo Measurements on the Trivalent Thulium Ion," Optics Letters 18:1958-1960 (1993)			
PWH	13.	MOSSBERG, T.W., "Time-Domain Frequency-Selective Optical Data Storage," Optics Letters 7:77-79 (1982)			
PWH	14.	MOSSBERG, T.W., "Swept-Carrier Time-Domain Optical Memory," Optics Letters 17:535-537 (1992)			

Examiner Signature	/Paul Huber/	Date Considered	11/21/2006
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		Art Unit	2035 2627
		Examiner Name	Not Yet Assigned
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NON PATENT LITERATURE DOCUMENTS			
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PWH	1.	RENN, A., et al., "Spectral Hole Burning And Hologram Storage," Applied Optics, Vol. 26, No. 19, (October 1, 1987), pp. 4040-4042.	
PWH	2.	MITSUNAGA, M., et al., "Time- and Frequency-Domain Hybrid Optical Memory: 1.6-kbit Data Storage in Eu ³⁺ :Y ₂ SiO ₅ ," Optics Letters, Vol. 16, No. 23, (December 1, 1991), pp.1890-1892.	
PWH	3.	YANO, R., et al., "Nonlinear Laser Spectroscopy of Eu ³⁺ :Y ₂ SiO ₅ And Its Application To Time-Domain Optical Memory," J. Opt. Soc. Am. B, Vol. 9, No. 6, (June 1992), pp. 992-997.	
PWH	4.	LIN, H., et al, "Heterodyne Detection of Swept-Carrier Frequency-Selective Optical Memory Signals," Optics Letters, Vol. 20, No. 8, (April 15, 1995), pp. 928-930.	

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		Number-Kind Code ² (if known)				
PWH	1	us-	5,297,076	03-22-1994	Jefferson et al.	
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